WHAT IS CLAIMED IS:

1. A portable UV detector with simple operation comprising:

a cylindrical main body with a hollow core running through both ends;

a filtering lens mounted on one end of the main body and a screw plug on the other end of the main body,

wherein an enclosure behind the screw plug is a battery chamber and a display panel window is formed on an external wall of the main body;

an output conversion circuit on a printed circuit board for converting the light intensity measured to the corresponding UV radiation level, whose input terminal is connected to a light detector located underneath the filtering lens, and the output terminal of the output conversion circuit is connected to a display module mounted in the display panel window of the main body; and

multiple batteries housed in the enclosure of the main body behind the screw plug to provide the operating voltage for the output conversion circuit and light detector.

2. A portable UV detector with simple operation as claimed in claim 1, wherein a push-button switch is mounted on the printed circuit board of the detector to control activation/deactivation of the control circuit composed of a battery, an output conversion circuit, a light detector and a display module.

3. A portable UV detector with simple operation as claimed in claim 2, wherein the output conversion circuit comprises:

a light detection circuit composed of multiple resistors to form a voltage divider circuit, so that at each voltage tapping junction a reference voltage is produced, and the circuit is also connected to the light detector formed by a photo resistor;

a comparator circuit formed from multiple comparators, wherein the reference

voltage terminal of each respective comparator is respectively connected to a voltage tapping junction; and the input terminal of each comparator is connected to a resistor with a different resistance value; and the output terminal of each comparator is respectively connected to the corresponding pin of the display module;

a power switch circuit connected in series to the push-button switch on the printed circuit board and the battery to control the operating voltage of the light detection circuit, comparator circuit and display module.

4. A portable UV detector with simple operation as claimed in claim 3, wherein the power switch circuit is formed by a push-button switch and the battery connected in series; and opposite ends of the push-button and the battery are connected in series to a resistor and a Zener diode in parallel; and the junction is further connected to one of the input pins of the display module to control the illumination of the fifth display segment.

5. A portable UV detector with simple operation as claimed in claim 1, wherein the display module has a graphical display.

6. A portable UV detector with simple operation as claimed in claim 3, wherein the display module has a graphical display.

7. A portable UV detector with simple operation as claimed in claim 4, wherein the display module has a graphical display.

8. A portable UV detector with simple operation as claimed in claim 5, wherein the display module has a UV level scale printed along one side.

9. A portable UV detector with simple operation as claimed in claim 6, wherein the display module has a UV level scale printed along one side.

10. A portable UV detector with simple operation as claimed in claim 7, wherein the display module has a UV level scale printed along one side.

11. A portable UV detector with simple operation as claimed in claim 1, wherein the display module has a numeric display.

12. A portable UV detector with simple operation as claimed in claim 3, whereby the display module has a numeric display.

13. A portable UV detector with simple operation as claimed in claim 4, wherein the display module has a numeric display.